

ABSTRACT

A camera assembly generally includes a camera housing and a lens barrel. The camera housing has a receptacle portion that has a bore with an inside diameter. The lens barrel has a mating shaft portion with an outside diameter that is smaller than the inside diameter of the bore of the receptacle portion. The bushings are positioned around the mating shaft portion of the lens barrel to create an interference fit between the lens barrel in the bore of the receptacle portion to axially align the lens barrel with the receptacle portion.